



The National Electric Code allows for 50% fill of ventilated cable tray systems as per (Article 392.9(B)). The cross sectional area of the cables may not exceed 50% of the cross sectional area of the tray.

LOADING CAPACITY

SNAKE TRAY	CM-101-3-8	CM-101-6-8	CM-101-12-8	CM101-12-8-LS	CM101-18-8	CM101-18-8-LS
CABLE CAPACITY	80 CABLES	215 CABLES	430 CABLES	280 CABLES	740 CABLES	370 CABLES
SQ. INCHES OF PATHWAY	10.5 si	21 si	42 si	27 si	72 si	36 si
WEIGHT OF CABLES AS TESTED PER LINEAR FOOT AT 50% FILL CAPACITY	3.75lbs/ft	10.20lbs/ft	20.30lbs/ft	13.10lbs/ft	25.25lbs/ft	18.0 lbs/ft

SNAKE TRAY	CM-201-24-8	CM-201-3-8	CM-201-425-8	CM-201-6-8	CM-201-425D-8	CM-201-5D-8
CABLE CAPACITY	82 CABLES	92 CABLES	185 CABLES	250 CABLES	370 CABLES	510 CABLES
SQ. INCHES OF PATHWAY	8 si	9 si	18 si	24 si	36 si	50 si
WEIGHT OF CABLES AS TESTED PER LINEAR FOOT AT 50% FILL CAPACITY	3.8lbs/ft	4.5lbs/ft	8.8lbs/ft	11.75lbs/ft	17.60lbs/ft	25.0lbs/ft

SNAKE TRAY	CM-301-2-X	CM-301-4-X	CM-301-6-X	CM-301-8-X	CM-301-12-X
CABLE CAPACITY	470 CABLES	940 CABLES	1400 CABLES	1880 CABLES	2820 CABLES
SQ. INCHES OF PATHWAY	46 si	92 si	138 si	184 si	276 si
WEIGHT OF CABLES AS TESTED PER LINEAR FOOT AT 50% FILL CAPACITY	19.50lbs/ft	39.00lbs/ft	58.5lbs/ft	78lbs/ft	118lbs/ft

SNAKE RACE	CM-401-2-8	CM-401-3-8
CABLE CAPACITY	30 CABLES	75 CABLES
SQ. INCHES OF PATHWAY	3 SI	7.5 si
WEIGHT OF CABLES AS TESTED PER LINEAR FOOT AT 50% FILL CAPACITY	3.0LBS/FT	3.7lbs/ft

SNAKE TRAY	CM-501-2-8	CM-501-3-8	CM-501-5-8	CM-501-6-8
CABLE CAPACITY	40 CABLES	92 CABLES	255 CABLES	367 CABLES
SQ. INCHES OF PATHWAY	4 si	9 si	25 si	36 si
WEIGHT OF CABLES AS TESTED PER LINEAR FOOT AT 50% FILL CAPACITY	2.5lbs/ft	3.3lbs/ft	12.2lbs/ft	17.60lbs/ft

LADDER SNAKE	CM-601-12-8	CM-601-12-HP
CABLE CAPACITY	560 CABLES	310 CABLES
SQ. INCHES OF PATHWAY	55 si	30 si
WEIGHT OF CABLES AS TESTED PER LINEAR FOOT AT 50% FILL CAPACITY	25.75lbs/ft	14.5lbs/ft

MAEGASNAKE	CM-801-4-12-10	CM-801-4-18-10	CM-801-4-24-10	CM-801-6-12-10	CM-801-6-18-10	CM-801-6-24-10
CABLE CAPACITY at 50% Fill	440	735	980	670	1100	1470
SQ. INCHES OF PATHWAY	48 si	72 si	96 si	72 si	108 si	144 si
SPAN IN FEET	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
5	124	127	127	161	161	184
6	102	102	102	112	132	132
7	83	83	83	87	113	113
8	66	66	66	81	90	83

50% fill of 4 UTP cable (OD = 0.25)

Snake Tray static load limits are substantially higher however the size limiting features of the Snake Tray design prevent loads greater than those shown on the above tables from being carried in the tray. Snake Tray is designed to safely support cables in the volumes and weights shown with spans supported every four feet as prescribed by the proper installation of Snake Tray cable management systems. No detectable deflection was recorded with the above loads and spans.